

In the claims:

Claims 1-13 canceled.

Claim 14 cancelled.

15. (currently amended) ~~A device as defined in claim 14~~A device
for remote monitoring of an overhead power transmission line conductor,
comprising a housing provided with means for attaching on the overhead power
transmission line conductor; and arranged in said housing a power supply, a
sensor of temperature of the conductor, and a measuring-transmitting module
configured to receive signals from said sensor of temperature of the conductor, to
convert them into digital data and to transmit the digital data for storing, collecting
and processing, wherein said measuring-transmitting module includes a control
unit, a unit for receipt and conversion of a conductor status signals, a unit for
primary processing of obtained information, collection and storage of data, a unit
for communication and data transmission, wherein said unit for primary
processing of obtained information, collection and storage of data is connected to
an input of said unit for communication and data transmission and to an output of
said unit for receipt and conversion of conductor status signals, and said means
for interfacing with a utility cellular telephonic channel is included in said unit for
communication and data transmission.

16. (currently amended) ~~A device as defined in claim 14~~A device for remote monitoring of an overhead power transmission line conductor, comprising a housing provided with means for attaching on the overhead power transmission line conductor; and arranged in said housing a power supply, a sensor of temperature of the conductor, and a measuring-transmitting module configured to receive signals from said sensor of temperature of the conductor, to convert them into digital data and to transmit the digital data for storing, collecting and processing, wherein said measuring-transmitting module is configured to receive signals from a Global Positioning System, to obtain data about a position of the transmission line conductor module in a three-dimensional coordinate system, to correct the data, and to transmit the data for collecting of measuring information.

Claims 17 and 18 cancelled.

19. (currently amended) ~~A device as defined in claim 18~~A device for remote monitoring of an overhead power transmission line conductor, comprising a housing provided with means for attaching on the overhead power transmission line conductor; and arranged in said housing a power supply, a sensor of temperature of the conductor, and a measuring-transmitting module configured to receive signals from said sensor of temperature of the conductor, to convert them into digital data and to transmit the digital data for storing, collecting

and processing, wherein said sensor of conductor temperature is incorporated in said means for attaching said housing to the overhead power transmission line conductor.

Claims 20-23 cancelled.

24. (currently amended) ~~A device as defined in claim 21~~ A device for remote monitoring of an overhead power transmission line conductor, comprising a housing provided with means for attaching on the overhead power transmission line conductor; and arranged in said housing a power supply, a sensor of temperature of the conductor, and a measuring-transmitting module configured to receive signals from said sensor of temperature of the conductor, to convert them into digital data and to transmit the digital data for storing, collecting and processing, wherein said unit for communication and data transmission is provided with means for receipt of data inquiry signals, setting digital data, and unauthorized access protection; and further comprising a solar battery, said battery being chargeable from said solar battery.

25. (previously presented) A device for remote monitoring of an overhead power transmission line conductor, comprising a housing providing with means for attaching to the overhead power transmission line conductor; and arranged in said housing a power supply arranged in said housing, a measuring-

transmitting module configured to receive signals from a Global Positioning System, to determine a position of said module in three-dimensional coordinates, and to transmit data about coordinates for collection of measuring information.

26. (previously presented) A device as defined in claim 25, wherein said measuring-transmitting module includes a control unit, a unit of receipt and conversion of conductor status signal with a receiver of signals of the Global Positioning System, a unit for primary processing of obtained information, collection and storage of data, and a unit for communication and data transmission, wherein said unit for primary processing and obtained information, collection and storage data is connected to an output of the unit for receipt and conversion of conductor status signal and to an input of a unit of said unit of communication and data transmission.

27. (previously presented) A device as defined in claim 26, wherein said measuring-transmitting module is provided with means for interfacing with a utility cellular telephonic channel.

28. (previously presented) A device as defined in claim 24, wherein said module is configured to receive signals from a sensor of current values in the conductor and to convert them into digital data.

29. (previously presented) A device as defined in claim 24, wherein said module is configured to receive signals from a sensor of conductor temperature and convert them into digital data.

30. (previously presented) A device as defined in claim 27; and further comprising means for attaching said housing to the overhead power transmission line conductor, said sensor of conductor temperature being incorporated in said means for attaching said housing to the overhead power transmission line conductor.

31. (currently amended) A device as defined in claim 24, wherein said module is provided with means for receipt of data inquiry signal, setting digital data, and unauthorized access protection.

32. (previously presented) A device as defined in claim 24 wherein said power supply is configured as a battery.

33. (previously presented) A device as defined in claim 31, wherein said battery has means for charging from an overhead power transmission line current.

34 (previously presented) A device as defined in claim 30; and further comprising a solar battery, said battery being chargeable form said solar battery.